From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: ji3m@scubed.com (James R. Duffey)
Subject: [7107] 10m Es Opening and NO QRP!!
Message-ID: <v02130501ad971298eecd@[192.31.66.224]>

10 M was open last night (04/14 Z). I called CQ repeatedly off and on at
28.060 for an hour, but got no replies. SSB signals were coming in fine
from Houston and New Orleans here. The Es season is fast approaching so
turn the 10 M rig on to see if 10 M is open.-Duffey KK6MC/5

James R. Duffey
Principal Scientist
Maxwell Laboratories/S-Cubed Division
Suite 300
2501 Yale Blvd SE
Albuquqerque, NM 87106

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: AlK0FRP@aol.com
Subject: [7119] ARCI spring thing Contest
Message-ID: <960414223238_271939898@emout09.mail.aol.com>

To whom it may concern

Got a rough guess on score for Contest.
Did not use my new pentium for the contest,
used Paper, but did use a keyboard with memory hi.
Did'nt get the computer moved downstairs to shack.

Abt 320 q,s 85 spc 825,000 plus pts 11 hours.

40m was good 200 q's, 20m was poor today only 110 q's
80m 10 q's very noisy, stns calling me but even on my 160
K6STI the noise got them. Had snow last nite so the static
noise was worse.

Good to hear the freq around 040 and 060 abuzz with stn's.
The usual 100 watters that didn't know what to do and the digi guys!
but it wasn't bad.

Thanks for another good one
73/72
Al K0FRP ditdit

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: kellner@usa.acsys.com (Richard G. Kellner)
Subject: [7120] DDS and Sierra
Message-ID: <9604150256.AA03736@usa.acsys.com>

Well I finally got back from travel, finished up the tax returns (Whew!), and got some quality time to do a little building. I've followed some of the discussions regarding DDS, phase lock loops, etc. in the last week. I decided to just try hooking up a DDS to my Sierra and see what it sounds like, knowing full well that the spectral output of a DDS with microcontroller is not pure but that only the receiver would be a worry.

So I hooked up the DigiBrain as described in March '96 QST to my Sierra this afternoon. Can I hear spurious sigs? Yes, especially when the antenna is off and the receiver is very quiet. But tuning around 40m with the background noise, I'd be hard pressed to locate a spur if I didn't know where one was. I'd say that it's very usable exactly the way it is, and many would leave it as is. However, I think I'll try to clean it up a little.

But the thing I miss most on the Sierra with the stock VFO is the RIT. There is not much code/data space left in the HC705J1A to add RIT, so I'll have to either pare down what's there (don't know that one needs all of the step sizes such as 1Hz and 100Khz, for example) or switch to a HC705J2 micro which has more memory. Power consumption of my DigiBrain is about 175ma, which could be reduced a little by some component changes.

I added Wayne's LSB mod and variable bandwidth to my Sierra a while back, and the DDS VFO sure makes it nice to tune in those SSB sigs. And of course you get full band coverage on every band (disregarding the bandwidths of the bandpass filters in the Sierra).

I'd like to turn this into a peripheral which could plug into both the Sierra and the Cascade (goodbye drift), and would leave the stock VFOs operational when unplugged.

73, Rich W5RXP

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: af852@rgfn.epcc.edu (William R Colbert)
Subject: [7110] F beacon
Message-ID: <9604142205.AA27949@rgfn.epcc.Edu>

Dave, and others, This has come up a couple of times recently - the F beacon is actually one of 3 or 4 (according to the SW listeners on the WUN list) located in Russia. The one we hear in the early AM is located at the Naval facility at Vladivostok and there is some indication that it may simulcast with one at or near Novosibirsk in the western Siberia area (on the Ob river). Actually a good propagation indicator as is the GKE maritime beacon (U.K.) on 3535. Hope that answers your question. 72/73 Ray

--
Ray Colbert, W5XE/V31XE, El Paso, Tx

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: ROYGREGSON@aol.com
Subject: [7097] gell cells/nicads
Message-ID: <960413234707_190706763@emout09.mail.aol.com>

Hi gang and Chuck Adams.......Abouot the gell cells, and nicads. Last year, I decided after many years I would like to get into RC models. I decided to start with and electric sailplane. So what does this have to do with QRP ??? Well, the electric motor uses a 7 cell nicad pack of sub-"C" cells rated at 1.7ah each. The charger I have charges these cells at a 4.9 amp rate, and takes only about 20 minuets to fully charge the pack. The motor draws in excess 15 amps, and runs for about 5 to 7 minutes for an average flight. Needless to say, the pack is very warm by the time the plane comes back down. I let the pack cool before recharging. At the end of charging, the pack is almost too to handle. Anyway this cycle is repeated as many times as I want to fly, and this is the norm for most electric flyers. Altho, some planes use 24 or more cells in their packs. Anyway the reason for all this is that I got to thinking that these cells are specially made for this rapid charge and discharge. They come in all sizes. My thought is that a 12V pack could be put together using AA or AAA cells, would fit inside most QRP rig covers, have plenty of current available, and could be recharged from your car battery in less than an hour. I haven't had the time to put this idea to practical use yet for QRP, but I know it can be done. Years ago, I put a battery pack in a portable ATU, was complete with SWR meter and built in charger ! Nice for portability. Just an idea !
ROY W6EMT

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: NYOUNG@nova.wright.edu
Subject: [7100] High latitude DX, nautical jargon & the blues in C
Message-ID: <01I3IZKQ797A8WZ6GK@nova.wright.edu>

One of the subbers to this list mentioned that high latitude DX conditions were so crummy that the ongoing contest/activity activity was barely worth the trouble. Not being a contest crazy, I wouldn't know about the worth or the trouble. However, one thing is important.

We are at present, in nautical terms, at the bitter end of the last sunspot maximum. This means that conditions ain't worth the trouble. At least that's what we'd like to think, scions of ionospheric prognostication as we are. But I do know that 30m was open big time hurry up last night when I got back from the university's Asian Festival and the special act, Elvis John (a Vietnamese American Elvis impersonator). There were signals up and down 30m and I would have worked a few, were I not so toasted on Chinese cuisine and an ongoing attempt to figure out a counter kit what I just got.

So, since we're at the bitter end of the sunspot cycle last, it only figures that high latitude DX would be less than stellar. And... it's important to remember as well that this is (supposedly, 'though from the temperatures you couldn't tell it) Spring. La primavera. It's a time for birds to build nests and for the general propagation conditions to swing toward more low latitude DX, especially during the afternoon and evening. You ain't gonna be talking to Uncle Sven in Kobenhaven, even with a high MUF. You're more likely to end up talking to Cousin Armando in Tucuman in the afternoon over a cup of mate'. That's just the way it works.

Besides, as one of those esoteric books of Oriental arcana point out, the only constant in the world is perpetual change. Cycles of time and cycles of energy and megacycles of QRP. Asi la vida desconocida, che. I think that I learned that about 35 years ago when I discovered one beautifully clear yet bitterly cold spring day that Sveriges Radio's utanlandsprogrammet was fading into the noise and XERH in Mexico was getting stronger. COnditions went from svenska to mariachi. And since I was raised in a family similarly afflicted (Dad had spent some childhood time in Norway but had grown up in the Southwest with chicano and meztizo children on the Yavapai reservation near Camp Verde, AZ), I sat back and listened to mariachi and beer commercials.

Besides, ionospheric conditions are like the weather in Newfoundland.
If you don't like what it is, wait a while and it will change.

73
Nils
P.S.: I got my RAC counter kit in the mail yesterday. Really neat
stuff. I'm gonna have to double my meds and clean up the rats' nest
before I touch slobbering iron to this one. This is too nice to
mess up on the first pinch.

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: PDouglas12@aol.com
Subject: [7101] How to subscribe Dayton-L
Message-ID: <960414095652_271504225@emout08.mail.aol.com>

My mistaken post had one good result. I got several requests for info on
subscribing to Dayton-L. Here, once again is the info you need.

Send email to listserv@lehigh.edu.

Subject line is ignored.

In body write: subscribe Dayton-L

That's it. You will get a welcome faq, like you got when you subscribed to
QRP-L. SAVE IT, so you don't make a pain of yourself when you want to
unsubscibe--you'll know how if you have the faq.

72,

Preston WJ2V

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: Larry East <LVE1@inel.gov>
Subject: [7099] NE602 at 6V
Message-ID: <2.2.16.19960413185023.305fad58@134.20.32.17>

>From a recent posting:
>
> I found out that the NE602 really does like 5 volts
>(I had no 78L05 regulator, but did have a 78L06 at 6 volts). The NE602 soon
>shut down. So I added a 47K pot to drop the voltage down to 5v, and it
>works fine.

>
Interesting... I have been running the NE602 in my 40-9er directly from a 78L06 regulator and haven't noticed any problems. I believe that the max supply voltage is speced at 7V or so, so I don't see why 6V would be a problem. Has anyone else encountered this?

72, Larry W1HUE/7

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: Dennis Marandos <k1lgq@dennis.mv.com>
Subject: [7117] New England QRP Club newsletter is IN THE MAIL.
Message-ID: <199604150202.WAA16522@bort.mv.net>

The New England QRP Club newsletter is in the mail and it promises to be very interesting reading. In the April issue:

New Jersey Invades New England QRP at ARRL Headquarters - reported by Joe Everhart - N2CX. This report by Joe spearheads the events which occurred in Newington March 10th when the ARRL hosted the NE QRP members. Along with its fine reporting is a portion which deals with Doug Qualgliana - KA2UPW's QRP contact with AO-27 from the ARRL parking lot.

L.B. Cebik - W4RNL's junk box L-C-L antenna tuner for three dollars. L.B. not only gives scholarly advice on how to build the antenna tuner, but also includes the composition, formulas and theory to his article. The L-C-L Tee antenna tuning unit is a simple schematic and will be the delight of many who read what L.B. has to say.

New England QRP Club has announced their third club project which was described in great detail by Joe Everhart - N2CX. Joe has taken on a very practical project and describes, with diagrams, the 20-30 PVC mast kit. Further into 72 is the address members can buy the kit for $15. If you have wanted to build a support for your inverted Vee dipole or wanted to have support for either end (or both), this article is a must to read.

Sam Ulbing - N4UAU announces his "S M A L L" project which is "The Surface Mount Amplifier that's Little and Loud." Sam explains how he derived at making a very small audio amp (1 1/16" x 7/8") and has a kit available for those wanting to make a surface mount amp for QRP projects. He explains how the LM4861, by National SemiConductor Corp., was the heart of his project and explains how it might be placed inside handies or low audio QRP transceivers.

Tom Cooper - WA1GUV has a brilliant story of his DXpedition into CM/CO land--Cuba. What he saw, did and experienced will delight you and

inform you! Tom has truly done his homework reporting a story we wish we could have experienced. Cuba is an Eye-opener!

Fred Bonavita - W5QJM reports on the not-so-heard-about FD-4 antenna. Read what Fred has to say about something everyone has heard about but has not seen much. Fred gives a very detailed insight to the FD-4 and shares his thoughts.

Russ Carpenter - AA7QU has written a very interesting narrative concerning QRPing in the hills with the bear items necessary to get anyone into trouble. One item many people know of but don't often think about is LIGHTENING. Read what happened to Russ as he ran through the hills with his head lamp glued tightly to his head, trying to read a compass with torrents of rain upon him. LOST? You bet, but Russ stayed with it! Read and see where Russ ended.

The Wouff-Hong and the Rettysnitch are lost traditions which L.B. Cebik - W4RNL has restore to life. If you're an old timer and remember these items from the old ARRL manuals, then a closer look will rekindle what they were and did. If you're new to radio and the terms mean nothing to you, then L.B.'s article is definitely for you. Included also are some very carefully illustrated diagrams L.B. conjured up and passed along.

If you think you have read all the articles on antennas, wait till you read the humorous, BUT true, story by Joe Everhart - N2CX. Joe takes us on a voyage of beer cans, soldered together to give one verticle you have never seen before. Joe mentions that he tried to put 32 beer cans together and use as a verticle. What did the neighbors think? When you're sixteen, who cares!

Speaking of vertical antennas, Fred Bonavita - W5QJM has taken on the ARRL with their new book VERTICAL ANTENNA CLASSICS. See what Fred has to say about the word classic and then try reading what the ARRL is giving the ham community. You'll agree with Fred that you might want to save your money from "Deja Vu Press" if you're looking for a classic! You=92ll see= what
many have thought and Fred has said. A very good book review!

Bill Acito - KC1GS has a very detailed story on how he was absolutely ready for the PERFECT QRP FIELD DAY STATION...WELL STORTA. Bill counts down from day 75 (yes...2 1/2 months before CW time) to FD plus 1 to 24 hours thereafter. There's no fooling this year, Bill is really ready. Read and see what troubles he ran into and how he'll be up this year for POINTS, so watch out.

You will love the letter from a member who wants to stop the DUMBING DOWN OF AMATEUR RADIO with all the 2 meter crap Icom, Kenwood and Yaesu is dumping into the US. You might want to purchase the hottest rig on the

market...the 0 0 7. Read it and get your checkbooks ready.

Another article by Sam Ulbing - N4UAU describes his unique keyer which displays and translates Morse code. Sam makes available, to all, the entire kit or just the 87c52 microcontroller and PC board. His technical expertise into this area will delight the builder with an eye for CW in the shack. Scholarly detailed and easy reading.

There are also more items in the 72 - New England Club newsletter which have not been mentioned. Look for your newsletter in your mailbox anytime after Monday, and if you're not a member and would like to receive the next issue of 72, information can be retrieved from Ernie Gregoire - AA1IK at: GREGOIRE@VALLEY.NET

If you would like to contribute to the next issue of 72, please send your information to Dennis Marandos - K1LGQ, Editor. I will answer your questions on format, presentation and skill levels (there aren't any).

Until the next time,

72/73

Dennis Marandos - K1LGQ
Editor- New England QRP Club newsletter

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: ka0yos@arn.net
Subject: [7104] Newbie
Message-ID: <199604141926.OAA11917@arnet.arn.net>

Howdy,

I'm just getting into to qrp and have been watching the list for a few days. A couple simple questions come to mind.

1. What does ARCI stand for? I know it is a qrp club, but what are the who, what and where of it.

2. What is the meaning of 72? I see used in place of 73.

Thanks and 73, or 72?

Joe ka0yos

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [7114] Our true purpose - a brief reminder
Message-ID: <Pine.3.89.9604140839.A855-0100000@w3eax.umd.edu>

QRP is a great, great aspect of our hobby, no question. I love learning about RF design, shooting the ionosphere with a minimum of power, doing something with almost nothing against all odds.

HOWEVER, we should all remember the purpose of amateur radio. QRP is merely a small aspect of it; we are prepared for battery operation if need be. We have practice in going into the field, in operating portable, and in listening for weak signals, all useful skills.

Sometimes, however, still more is needed, like 100 watts or operation on 2 meters. Public service, emergency communications, portable operations. It is very important for us NOT to eschew that which allows us to maintain access to all of this great spectrum. Yes, 99.9% of the time on air is NON-emergency time, but we should be ready whenever AND WHEREVER it is needed.

I have a 2m HT within 100' of me most of the time (carry it in my bag to work, on my belt elsewhere). We have 2m in the cars because it's a useful tool for calling the police if one sees an accident, for finding directions when lost, and for giving assistance to others. You NEVER know when it will come into play.

The same is true of a 100 watt station; we may never use it, but we should be ready when emergencies happen. If that means needing 100 watts to get through during an emergency, we should have it available.

Basically, keep up the QRP, but don't neglect the responsibility placed on us as FCC Licensed Radio Amateurs. 72 es good DX to all!

* Scott Rosenfeld NF3I Burtonsville, MD FM19 QRV 80-10/6/2/440 *
*** VHF @ <25w, HF @ <5w *** Save a cake, pound BRASS instead ***
* 138 cfd with dipoles * QRP-L #147 QRP ARCI #9054 DXCC/WAS/WAC *
* 301-549-1022 h / 301-982-1015 w * 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: BillCombs@aol.com
Subject: [7116] Power Supply
Message-ID: <960414215314_469887063@emout08.mail.aol.com>

I am looking to purchase a DC power supply (about 20 amps). The brand I see advertized the most is Astron, though I notice that AES also has a new brand named Tripp Lite, which is a little cheaper. Does anyone have any experience with these or others?

Bill Combs K4CPK

BillCombs@aol.com

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: Larry East <LVE1@inel.gov>
Subject: [7098] QRP+ AGC Thump
Message-ID: <2.2.16.19960413185022.1537a5a6@134.20.32.17>

>From a recent posting:
>
>I'd REALLY like to make the AGC time constant faster. It seems the RX
>has trouble charging the AGC cap fast enough - hence it still has alot
>of trouble with thumps and other bad things near strong signals,
>particularly on narrower selectivity settings.
>
>The good news is there is now a hole on the back panel where the mic gain
>control was. I am thinking of putting a AGC fast/slow switch back there,
>provided I can find the AGC cap in the first place.
>
>Has anyone tried reducing the value of the AGC cap? Where is the cap?
>
The problem is NOT with the AGC time constant, but rather with the amount of delay thru the SCARF filter ahead of the AGC pickoff. No amount of diddling with the AGC time constant will help much -- I know, 'cuz I've been there and done that! A simple mod that seems to improve the situation is to limit the output of the filter to about 0.5V or so -- this can be done with a 1K resistor and two Si diodes (with opposite polarities) to ground. This limits the audio output until the AGC can "catch up" and works very well on CW, but adds a little distortion to strong SSB signals. I'm still playing around with this, and will publish the final results in the QRP Quarterly (and maybe QRPp), so stay tuned (remember you heard it here first!).

72, Larry, W1HUE/7

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: cjsterl@ix.netcom.com (Craig J. Sterling)
Subject: [7102] QRPp back issues
Message-ID: <199604141402.HAA29397@dfw-ix1.ix.netcom.com>

Gang,

A priority mail package arrived here at my DC QTH ... the complete set of QRPp back issues. What a treat! Have only just begun to skim over the articles, but WOW, what a store of useful and interesting information for us QRPhiles.

To date, every time I hear mention of a mod for a 40A or Sierra, I'm a bit at a loose due to unavailability of documentation ... no longer! There is more good "stuff" in this set that one can imagine ...and yes only $43.00. They even come nicely bound! Oh, might as well disclose, I have no personal or financial interest in these journals. Just want to share a resource of extremely useful info.

There are articles on antennas, early kit design, circuits and much more, even a pictures of Wayne Burdick and several other contributors to this list,(didn't see a pix of Chuck, K5FO!)

I'm sure there are others out there in cyberdom like myself that are somewhat new to either radio or low power operating and just thirsting for more QRP info. Think seriously about this set ... IMHO well worth it!

Also, for those really new to this QRP "schtick", get hold of Rich Arland's 3 volume set of books on low power operating. For me, these books painted a fairly good picture (non technically) of the world of low power operating, from philosophy, to equipment, to contests, etc. Good foundational reading. Again, Gang, no financial interest here either!

Chuck, maybe you've done it alrerady or are thinking of it, but compile an index by subject or something in journal form from the threads right here on QRP-L. I know the archives can be accessed and downloaded, but I'm speaking of something in book or journal form already compiled, bound, etc. Might be a good way to raise funds for a QRP DXpedition to Melish Reef, Kermadec, St. Barts or Lewisville, TX, Hi Hi!

Still working on trying to find suitable HF SSB freq. for QRP discussion group for Sunday evenings. Am checking out 80M phone band tonight. Will keep you posted.

CUL,
Craig, AA3MD

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: Russ1031@aol.com
Subject: [7113] Snap, crackle and pop, or ARCI, the 40 meter version
Message-ID: <960414205949_513692231@mail02.mail.aol.com>

Well, I'll confess that I made a low quality decision--to try a single band (40 meters) for the spring ARCI. I believe that I was visited with most of the distant lightning strikes in our hemisphere.

After a discouraging start (in which not a soul returned my calls), I finally got on a small-scale roll. After about six hours of cumulative effort, the total stood at 89 QSOs and 35 SPCs. At that point, I took my chain saw down to the river and attacked some of the drift wood left by our winter storms. After coping with wispy signals amid the noise, cutting wood was a simple, primitive satisfaction.

I am left pondering this question--is lightning necessary?

Russ Carpenter, AA7QU, McKenzie River, Oregon

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: flanders@GroupZ.net (Jerry Flanders)
Subject: [7106] Solar Cells Efficiency?
Message-ID: <199604142035.QAA111407@nss2.CC.Lehigh.EDU>

Last September, I bought three unused 12" x 24" PV panels at a hamfest in NC. They were unmounted, just the glass panel with the bare metal coating on the back. I was told they were rated at about 900 mA at about 18 volts each.

I have finally gotten around to actually connecting electrodes and testing them out. The first one only put out about 250 - 275 mA in bright SC sunlight yesterday (charge current into a 12 v lead-acid battery, with an isolating diode in the circuit (same without the diode - I checked).

I thought that perhaps the first one was bad, so last night I wired up connectors to the remaining two and tested them out today. Same thing - about 250-275 mA each. Right now, all three are going, with a separate isolation diode for each, charging a total of about 800 mA in full sunlight. I briefly shorted the three while connected together, and measured only about 1 amp total (about 27V open circuit).

Keep in mind that I am talking about 6 square feet of collector area, and there is as yet no protective glass or cover of any kind. Quickie rough calculations from the fundamentals tell me my efficiency seems to be way-way down.

Any comments? What charge current do you guys get per square foot with PV cells? They have been unused for a long time - any reason to expect improvement in the future? Maybe I just got rejects - would rejects be as consistent as this? Do rejects deliver low current, or low voltage, or what?

Jerry W4UKU flanders@groupz.net

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [7111] The fumes are getting to me
Message-ID: <9604142250.AA17905@flowserver.stem.com>

Warning, this is kit building related but not qrp (2m rig).

Anyway, as a manage to eek out an hour or two every week or so to build, I am slowly getting the heath VF-7401 2m rig together. I am currently taking a break from the receiver board (3rd of 6 boards). I finished earlier today the VXO section.

If this thing works when I finish, I'm throwing a party...you're all invited. Probably at 2 guys...

Anyway, a few key pieces were missing from the VXO section and I had to be a bit creative in replacement. The most annoying part was the VXO shielding. I was, of course, very careful in constructing a replacement. However, it seems the more careful you are, the bigger the mistakes you get to make. (Such as Painfully measured screwholes, being just a hair to close, or too wide, or whatever). Anyway, there is nothing wrong with this section that I can detect, but it has an air of sloppiness to it that worries me. However, It's in a spot that is real easy to get to, so if there is a problem, I should be able to fix it. It's driving me nuts though as I have gone over this assembly for errors and can't find anything tragic, but it's just a feeling. Anyway, I finished it and I'm glad.

I then gathered the box with all the unopened parts packs to count out the receiver inventory only to discover that my daughter had gotten to it this morning....and dumped ALL of the packs into the box (except 2...oddly for the receiver board). So...instead of about 9 nicely separated parts

packs, I now have a junkbox! I'm sure it'll make for fun digging, but as I have the receiver packs, I think I'll stuff the board first...it's therapeutic...

Anyway, break time is over...I need to get back to work as I will have to clean up and start dinner for the fam in a few.

73 de dave, n9uxu

Oh...I wanted to check out all the caps, so I dug through my boatanchor test equipment shelf and pulled out the heath cap checker (with the near ...er...neat green eye). I love that sucker...and found one bad 'lytic. (It was shorted).

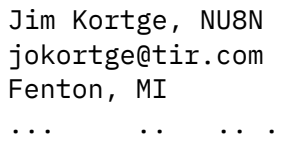
From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: ik3vik@ltmpt.sorostm.ro
Subject: [7108] UNSUBSCRIBE
Message-ID: <199604142015.AA14203@ltmpt.sorostm.ro>

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: "Jim Kortge, NU8N" <jokortge@tir.com>
Subject: [7103] Re: NE602 at 6V
Message-ID: <1.5.4.16.19960414144512.210ff674@mail.tir.com>

At 12:50 PM 4/13/96 -0600, you wrote:
>
>Interesting... I have been running the NE602 in my 40-9er directly from a
>78L06 regulator and haven't noticed any problems. I believe that the max
>supply voltage is speced at 7V or so, so I don't see why 6V would be a
>problem. Has anyone else encountered this?
>
>72, Larry W1HUE/7
>
According to the NE602 Spec Sheet, the device can run with
supply voltages up to 9 volts, and indeed, in the Cascade,
is running from an 8 volt source with no problems that
I am aware of. I'd guess the shutdown problem is not
totally supply related, and something else is going on.

72...Jim

Jim Kortge, NU8N
jokortge@tir.com
Fenton, MI
BMHA, NorCal, QRP-L
Cascade 17/40 SSB
Mizuho 17/40 SSB



From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: Steven Wilson <randyw@crl.com>
Subject: [7105] Re: Newbie
Message-ID: <Pine.SUN.3.91.960414130132.28925A-100000@crl8.crl.com>

Joe use your net browser and goto http://www2.polarnet.com/~bhopkins
and link to the qrp-l club; between his web and the info at qrp-l link
you will find all of your answers also see some nice pictures of various
qrp equipment. There is a description of the various clubs, dues, etc.
qrp catalogs, etc..   just about everything but how to build your antenna
and it might be there. hi will take you a while to go through everything
but you will have a good idea of what is what and who is who. pictures
of a lot of the fellows. ARCI is one of the orginial qrp clubs. Several
clubs around and all cost about $10 a year. 72 and 73 de stan ak0b
yes, they even tell what 72 means. hi since it isn't in the arrl handbook

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [7118] Re: Power Supply
Message-ID: <Pine.3.89.9604142111.B2084-0100000@w3eax.umd.edu>

Tripp Lite has been around for years. Astron supplies are very
good, and are in service on many repeaters.

Lambda makes industrial-strength supplies. The company is great for
customer service and old manuals, but some people don't like the equip.

Pyramid is a company that used to make supplies in Korea and Taiwan.
Their stuff was OK, but they've moved into their "GOLD SERIES," all made
in mainland China. For this reason, I wonder about QC a bit.

I personally like Astron.

* Scott Rosenfeld NF3I Burtonsville, MD FM19 QRV 80-10/6/2/440 *
*** VHF @ <25w, HF @ <5w *** Save a cake, pound BRASS instead ***
* 138 cfd with dipoles * QRP-L #147 QRP ARCI #9054 DXCC/WAS/WAC *
* 301-549-1022 h / 301-982-1015 w * 145.490- 147.225+ PL 156.7 *

On Sun, 14 Apr 1996 BillCombs@aol.com wrote:

> I am looking to purchase a DC power supply (about 20 amps). The brand I see
> advertized the most is Astron, though I notice that AES also has a new brand
> named Tripp Lite, which is a little cheaper. Does anyone have any experience
> with these or others?
>
> Bill Combs K4CPK
>
> BillCombs@aol.com
>
>

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [7109] Re: QRPp back issues
Message-ID: <199604142206.WAA29382@chuck.dallas.sgi.com>

Craig et.al.,

No picture of K5FO in the QRPp is good news!! Don't want to dirty
the waters so to speak. Also, like Kurt S., I try to hide in a
crowd. :-)

On the topic of a subject/title/journal/.... reference for QRP-L.
Here is the trouble with that. TIME.

Since the beginning of QRP-L

1,047,191 lines have been written including header info, etc.
6,720,899 words
44,232,416 characters transmitted across the universe (well almost)

of this there are

29,709 Subject lines. Varying from HW-9, HW-8, HW-7, Dayton,
The Joy of QRP, Antennas, Dummy Loads, SWR, Lightning Protection,
6 Meter QRP, 15 Meter QRP, ... , UNSUBSCRIBE, Dan's Small Parts,
Parts, Best QRP rig, Worst QRP rig, Address of ????, Real QRPers,
Fake QRPers, East Coast, West Coast QRP, RS12/13 Keps, VFO Phase
Noise, What is 72?, Batteries, Famous People, ??wpm cw, Cheap
Source for ????, Clubs, Mail received, Mail lost, Which Band?,
Oak Hills, NN1G, Mini-Expeditions, QSO Parties, Rules, Lack of
Rules, QRP-L Split, Field Day, More Field Day, Home Brew,
Home Built, QRP Calling Freqs, QRP CW, QRP SSB, QRP Digital,

Receivers, Transmitters, Transceivers, NiCads, Gel/Cells,
Sine Waves, Square Waves, Coastal Waves, Questions, Answers,
Use, Not Use, Rip Offs, Sign Offs, Pills (pink, white, blue, and
yellow), Sidetone, Solar, ...

You get the idea. You can write a book on just the titles and listings
thereof.

If you could list, and this is without additional comments like who,
when, where, etc., just the title lines alone with 120 per page, you'd
have 247 pages alone. OK, pick a topic, like HW-X, there were 549 postings.

If Jim E., myself, Smitty, or other individual wrote a Perl Script,
awk, sed, or other utility program to gather all this together, say
10,000 lines, then catagorize it, sort it out, weed eat it, etc.
we're are talking about a serious investment in time and energy.
I'd personally rather write a brand new book.

Index to a publication that comes out quarterly is much easier
than keeping track of this group. Heck, in college I was reading
at 2,500 wpm (I took a course my first semester of college). This
means, since I have read every word of this group I've spent over
100 hours reading this group and that doesn't include the time that
I spent typing in my share. :-)

Anyone want to try it, have at it. I think you'd be better off
typing in a book.

dit dit
--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [7115] Re: Snap, crackle and pop, or ARCI, the 40 meter version
Message-ID: <199604150118.BAA29609@chuck.dallas.sgi.com>

Russ,

The lighting of which you speak rolled through the Dallas area last
night with a vengance and along with rapidly rotating areas called
twisters, and I thought that was a dance team in the early 60's.

For that reason I was not on during the test. I couldn't do 20M
for some reason, yet to be determined.

dit dit
--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: GREGOIRE@endor.com (ERNEST GREGOIRE)
Subject: [7112] Re: Solar Cells Efficiency?
Message-ID: <199604142339.TAA66894@nss2.CC.Lehigh.EDU>

>The first one only put out about 250 - 275 mA in bright SC
>sunlight yesterday (charge current into a 12 v lead-acid battery, with an
>isolating diode in the circuit (same without the diode - I checked).
>
>Any comments? What charge current do you guys get per square foot with PV
>cells? They have been unused for a long time - any reason to expect
>improvement in the future? Maybe I just got rejects - would rejects be as
>consistent as this? Do rejects deliver low current, or low voltage, or what?
>
>Jerry   W4UKU   flanders@groupz.net
>

Hello Jerry,

I use a Solarex P.V. which is being sold as a Desert Storm surplus.

It is suppose to put out .47 amps max, but the most I have seen it do
is .363 so far. Depending on the load of course. This P.V. is about 18
inches by 12 inches. Built on a solid sheet of metal with a polymer film
over the metal strips to protect it, no glass.

de AA1IK   N.E.-QRP-C. # 202   (Lead by example, It is better to   )
                  QRP-L member #95.   (pull a string than it is to push it.)
Ernie Gregoire
RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
 S.A.S.E. or via E-mail.

e-mail : GREGOIRE@ENDOR.COM
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: herr@ridgecrest.ca.us (Michael Herr)
Subject: [7096] Re>VXO Research
Message-ID: <v01530500ad9690e1d41c@[199.120.150.50]>

>With all the 40-9er activity going on, I can't help but wonder if anyone
>besides myself has a renewed interest in Variable Xtal Oscillator design.
>You don't find much information outside the amateur circles on them. Has
>anyone done any research in this direction? For example, is it possible to
>obtain a more linear tuning range with common components. What effect does
>the Q of the series inductor have on stability and frequency shift. How
>does the LC ratio of the series inductor and capacitor affect range? Does
>anybody besides me care?
>==============================
>Bill Jones - KD7S <><
>QRP-L Member #85
>Sanger, California
>Reply to kd7s@valleynet.com
>==============================
Yes, always interested in VXO design. Been using on on 10 meters for a 2
meter transverter and on a 2 meter direct vxo transmitter. Never had the
"luck" others have had with wide coverage vxo's on HF
72
Mike WA6ARA

From owner-qrp-l@Lehigh.EDU Sun Apr 14 22:05:16 1996
From: prvalko <prvalko@oakland.edu>
Subject: [7095] Re: WTB: Century 22
Message-ID: <Pine.OSF.3.91.960413232035.3829F-100000@saturn.acs.oakland.edu>

On Sat, 13 Apr 1996, Kevin Anderson wrote:

> Apparently there aren't many Century 22's floating around
> that owners want to part with, but I'll ask one more
> time and then be quiet.

You are correct! I've only seen two advertised on the net, I bought the
first one and told the whole QRP-L if they were interested to snap up the

second (it was).

It's quite a rare radio, I think there were less than 700 sold.
It's also a huge and enormous improvement over the older Century 21 in every aspect. It is probably the finest example of a commercially sold direct-conversion tranceiver ever made. Good luck.

73 =paul= wb8zjl